

FILE COPY

Db 35 ATGGCCACACTGCTTGGTCAGTTATCCAGTGCTTTTGATCTCAGCGTAGTGGGCCACAG 94

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Db 215 CTCTTTTCGTCGTAATAACATACGCGGACACCA 247
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RESULT 3
AB024931

LOCUS AB024931 1557 bp mRNA linear PLN 01-FEB-2001

DEFINITION Lotus japonicus mRNA for cytochrome P450, complete cds.

ACCESSION AB024931

VERSION AB024931.1 GI:7415991

KEYWORDS cytochrome P450.

SOURCE Lotus japonicus (strain:Gifu) root cDNA to mRNA, clone:LjCYP-1.

ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophytes; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Loteae;
Lotus.

REFERENCE 1 (sites)
Shimada,N., Akashi,T., Aoki,T. and Ayabe,S.
Induction of isoflavonoid pathway in the model legume Lotus japonicus: molecular characterization of enzymes involved in phytoalexin biosynthesis
Plant science (Shannon, Ireland) 160 (1), 37-47 (2000)
11164575

JOURNAL 2 (bases 1 to 1557)
Shimada,N., Aoki,T. and Ayabe,S.
Direct Submission
Submitted (11-MAR-1999) Shin-ichi Ayabe, Nihon University,
Department of Applied Biological Science, Kameino 1866, Fujisawa,
Kanagawa 252-8510, Japan (E-mail: ayabe@brs.nihon-u.ac.jp,
Tel:81-466-84-3703, Fax:81-466-80-1141)

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CDS 441 a 366 c 365 g 385 t

BASE COUNT 441 a 366 c 365 g 385 t

ORIGIN

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Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 390 GCCTCCACCCTCGAAGCTTTTCCTCCCA 424

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RESULT 2
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DEFINITION Glycyrhiza echinata mRNA for cytochrome P450, clone Ge-8, partial cds.
ACCESSION D89436
VERSION D89436.1 GI:1845568
KEYWORDS cytochrome P450.
SOURCE Glycyrhiza echinata suspension-cultured cells cDNA to mRNA, clone lib: lambda ZapII clone: Ge-8.
ORGANISM Glycyrhiza echinata
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Galegeae; Glycyrhiza.
REFERENCE 1 (bases 1 to 422)
AUTHORS Ayabe, S.
TITLE Direct Submission
JOURNAL Submitted (20-NOV-1996) Shin-ichi Ayabe, Nihon University, Department of Applied Biological Science, Kameino 1866, Fujisawa, Kanagawa 252-8510, Japan (E-mail: ayabe@bns.nihon-u.ac.jp, Tel: 81-466-84-3703, Fax: 81-466-80-1141)
REFERENCE 2 (sites)
AUTHORS Akashi, T., Aoki, T., Takahashi, T., Kameya, N., Nakamura, I. and Ayabe, S.
TITLE Cloning of cytochrome P450 cDNAs from cultured Glycyrhiza echinata L. cells and their transcriptional activation by elicitor-treatment
JOURNAL Plant Sci. 126, 39-47 (1997)
FEATURES
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Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 35 ATGGCCACACACGCTTGGCTCAGTTATCCAGTCTTGTATCTCAGCTAGTGGGCCACAG 94
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RESULT 3
AB024931 1557 bp mRNA linear PLN 01-FEB-2001
LOCUS Lotus japonicus mRNA for cytochrome P450, complete cds.
DEFINITION AB024931
ACCESSION AB024931
VERSION AB024931.1 GI:7415991
KEYWORDS cytochrome P450.
SOURCE Lotus japonicus (strain: Gifu) root cDNA to mRNA, clone: LJCP-1.
ORGANISM Lotus japonicus
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Loteae; Lotus.
REFERENCE 1 (sites)
AUTHORS Shimada, N., Akashi, T., Aoki, T. and Ayabe, S.
TITLE Induction of isoflavonoid pathway in the model legume Lotus japonicus: molecular characterization of enzymes involved in phytoalexin biosynthesis
JOURNAL Plant science (Shannon, Ireland) 160 (1), 37-47 (2000)
PUBMED 11164575
REFERENCE 2 (bases 1 to 1557)
AUTHORS Shimada, N., Aoki, T. and Ayabe, S.
TITLE Direct Submission
JOURNAL Submitted (11-MAR-1999) Shin-ichi Ayabe, Nihon University, Department of Applied Biological Science, Kameino 1866, Fujisawa, Kanagawa 252-8510, Japan (E-mail: ayabe@bns.nihon-u.ac.jp, Tel: 81-466-84-3703, Fax: 81-466-80-1141)
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BASE COUNT 441 a 366 c 365 g 385 t
ORIGIN

Query Match 1.8%; Score 35; DB 8; Length 1557;
Best Local Similarity 100.0%; Pred. No. 2.7e-08;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 390 GCCTCCACCCCTGAACCTTTCAAACTCTTCTCTCA 424

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